======= WPI =======

TI - Multiple compressor type refrigerator- has large and small capacity compressors, partitioned inside airtight casing of two step type compressor, which is respectively used as lead starter and succession starter

AB - J10220884 The refrigerator has two step type screw compressor built inside an airtight casing, and partitioned into a large capacity compressor and a small capacity compressor. The two step type screw compressor is formed by the compression component of an electric motor, in which the compression component has lower step side screw rotor and a high step side screw rotor that are directly coupled.
- The large capacity compressor is used as a lead starter, and the small capacity compressor is used as a succession starter.
- ADVANTAGE - Minimises power consumption, thus minimising operational cost. Economical by reducing operating or operating stop frequencies.
- (Dwg.1/4)

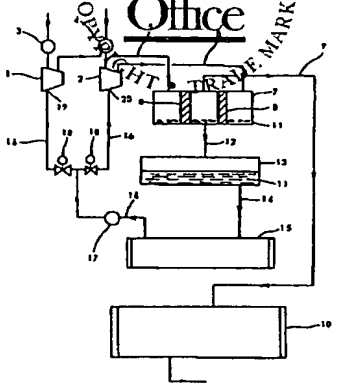
PN - JP10220884 A 19980821 DW199844 F25B1/047 004pp
PR - JP19970022368 19970205
PA - (HITA ) HITACHI LTD
- (HITA-N) HITACHI SHIMIZU ENG KK
DC - Q75
IC - F25B1/00 ;F25B1/047
AN - 1998-509994 [44]

======= PAJ =======

TI - SCREW FREEZER DEVICE

AB - PROBLEM TO BE SOLVED: To save a consumption power and attain a saving in energy in a screw freezer device having one large capacity type compressor and one low capacity type compressor mounted therein by a method wherein the large capacity compressor is applied as a compressor which is energized at first and the small capacity type compressor is set as a compressor which is subsequently energized.
- SOLUTION: In a multi-type screw freezer device having a large capacity type compressor 1 and a small capacity type compressor 2 mounted therein, an energizing order of the compressors is set such that the large capacity type compressor 1 is applied as an energization compressor at first and the small capacity type compressor 2 is applied as a subsequent compressor. During a freezing operation, refrigerant gas passed through suction strainers 3, 4 and sucked into the large capacity type compressor 1 and the small capacity type compressor 2 is compressed, thereafter it is entered into an oil separator 7 through discharging pipes 5, 6, passes through the oil separator 8, oil 11 is separated and then it is flowed into a condenser 10 through a discharging pipe 9. In turn, the separated oil 11 is accumulated in an oil tank 13 through an oil feeding-out pipe 12, thereafter the oil passes through an oil cooler 15, an oil strainer 17 and a fed oil controlling solenoid valve 18 and the oil is fed to each of the compressors 1, 2.

PN - JP10220884 A 19980821
PD - 1998-08-21
ABD - 19981130
ABV - 199813
AP - JP19970022368 19970205
PA - HITACHI LTD;HITACHI SHIMIZU ENG KK
IN - YANAGISAWA NAOHIRO;SOTOOKA TOYOHISA
I - F25B1/047 ;F25B1/00



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